

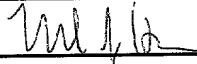
03/07/02  
jc860 U.S. PTO

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PTO/SB/05 (03-01)  
Approved for use through 10/31/2002 OMB 0651-0032

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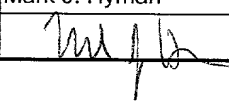
UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket		PC007C1	
		First Inventor		Rosen et al.	
		Title		Nucleic Acids, Proteins, and Antibodies	
		Express Mail Label			
(Only for new nonprovisional applications under 37 CFR 1.53(b))					
APPLICATION ELEMENTS			Box Patent Application		
See MPEP chapter 600 concerning utility patent application contents.			ADDRESS TO: Commissioner for Patents Washington, DC 20231		
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)			7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)		
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.			8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)		
3. <input checked="" type="checkbox"/> Specification [Total Pages 644]			a. <input checked="" type="checkbox"/> Computer Readable Form (CRF)		
(preferred arrangement set forth below)			b. Specification Sequence Listing on:		
- Descriptive title of the invention			i. <input checked="" type="checkbox"/> CD-ROM or CD-R (2 copies), or		
- Cross Reference to Related Applications			ii. <input type="checkbox"/> paper		
- Statement Regarding Fed sponsored R & D			c. <input checked="" type="checkbox"/> Statements verifying identity of above copies		
- Reference to sequence listing, a table, or a computer program listing appendix					
- Background of the invention					
- Brief Summary of the invention					
- Brief Description of the Drawings (if filed)					
- Detailed Description					
- Claim(s)					
- Abstract of the Disclosure					
4. <input type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets ]			9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))		
5. Oath or Declaration [Total Pages 5]			10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Associate Power of (when there is an assignee) Attorney		
a. <input type="checkbox"/> Newly executed (original or copy)			11. <input type="checkbox"/> English Translation Document (if applicable)		
b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)			12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations		
i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			13. <input type="checkbox"/> Preliminary Amendment		
6. <input checked="" type="checkbox"/> Application Data Sheet See 37 CFR 1.76 (7 pages)			14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)		
			15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)		
			16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i) Applicant must attach form PTO/SB/35 or its equivalent		
			17. <input checked="" type="checkbox"/> Other. 1. Statement Under 37 C.F.R. § 1.821 2. Transmittal and Submission Under 37 C.F.R. §§ 1.824 and 1.52(e)		
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76					
<input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No 09/764,869					
Prior application information: Examiner Sheinberg, M. Group / Art Unit: 1631					
For CONTINUATION or DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.					
19. CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		22195		or <input type="checkbox"/> Correspondence address below	
Name					
Address					
City		State		Zip Code	
Country		Telephone		Fax	
Name (Print/Type)		Mark J. Hyman		Registration No. (Attorney/Agent) 46,789	
Signature				Date March 7, 2002	

jc828 U.S. PTO  
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FEE TRANSMITTAL for FY 2002		Complete if Known																																															
Patent fees are subject to annual revision.		Application Number	Not Yet Assigned																																														
		Filing Date	Herewith																																														
		First Named Inventor	Rosen et al.																																														
		Examiner Name	Not Yet Assigned																																														
		Group Art Unit	Not Yet Assigned																																														
		Attorney Docket No.	PC007C1																																														
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<b>TOTAL AMOUNT OF PAYMENT</b> (\$) <b>896.00</b>																																																	
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																															
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account Deposit Account Number: <span style="border: 1px solid black; padding: 2px;">08-3425</span> Deposit Account Name: <span style="border: 1px solid black; padding: 2px;">Human Genome Sciences, Inc.</span> The Commissioner is hereby authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account		3. ADDITIONAL FEES																																															
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1. BASIC FILING FEE																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>740</td> <td>201</td> <td>370</td> <td>Utility filing fee</td> <td>740 00</td> </tr> <tr> <td>106</td> <td>330</td> <td>206</td> <td>165</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>510</td> <td>207</td> <td>255</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>740</td> <td>208</td> <td>370</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>160</td> <td>214</td> <td>80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td>(\$) 740 00</td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	740	201	370	Utility filing fee	740 00	106	330	206	165	Design filing fee		107	510	207	255	Plant filing fee		108	740	208	370	Reissue filing fee		114	160	214	80	Provisional filing fee		<b>SUBTOTAL (1)</b>					(\$) 740 00			
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*or number previously paid, if greater, For Reissues, see above																																																	
		Other fee (specify) _____ *Reduced by Basic Filing Fee Paid <b>SUBTOTAL (3)</b> (\$) 0 00																																															
SUBMITTED BY		Complete (if applicable)																																															
Name (Print/Type)	Mark J. Hyman	Registration No (Attorney/Agent)	46,789																																														
Signature		Telephone	(240) 314-1224																																														
		Date	March 7, 2002																																														

VIA HAND DELIVERY MARCH 7, 2002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Rosen et al.

Attorney Docket No.: PC007C1

Application Serial No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

**STATEMENT UNDER 37 C.F.R. § 1.821**

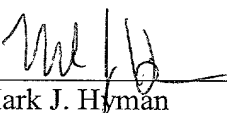
Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.821(f), Applicants hereby certify that the sequence listing information recorded in computer readable form and submitted herewith is identical to the written (on compact disc) Sequence Listing submitted herewith.

Respectfully submitted,

Dated: March 7, 2002



Mark J. Hyman  
Attorney for Applicants

Reg. No. 46,789

**Human Genome Sciences, Inc.**  
9410 Key West Avenue  
Rockville, MD 20850  
Telephone: (240) 314-1224

Enclosures

2002 MAR 10 10:50 AM

VIA HAND DELIVERY MARCH 7, 2002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Attorney Docket No.: PC007C1

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Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

**TRANSMITTAL AND SUBMISSION UNDER  
37 C.F.R. §§ 1.824 AND 1.52(e)**

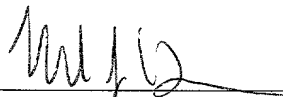
Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§ 1.821(e) and 1.824, Applicants submit herewith a Sequence Listing satisfying the computer readable format requirements on a compact disc (CD-R) labeled "CRF." Applicants submit concurrently herewith a Statement Under 37 C.F.R. § 1.821.

Additionally, in accordance with 37 C.F.R. §§ 1.52(e), 1.821, and 1.823, Applicants submit herewith a Sequence Listing as an electronic document on two identical compact discs (CD-R). Applicants certify under 37 C.F.R. § 1.52(e)(4) that these two compact discs, labeled "Copy 1" and "Copy 2," are identical. These compact discs, formatted for an IBM-PC machine and compatible with the MS-Windows operating system, each contain the file "PC007C1\_seqList.txt" (4,826,998 bytes in size, created March 6, 2002).

Respectfully submitted,



Mark J. Hyman  
Attorney for Applicants

Reg. No. 46,789

Dated: March 7, 2002

**Human Genome Sciences, Inc.**  
9410 Key West Avenue  
Rockville, MD 20850  
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